



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 95795

To: Susan Ungar
Location: CM1-8B05
Art Unit: 1642
Wednesday, June 04, 2003

82E12

Case Serial Number: 09/125005

From: Beverly Shears
Location: Biotech-Chem Library
CM1-1E05
Phone: 308-4994

beverly.shears@uspto.gov

Search Notes

Seq. ID 6 (09/125005) v. P04637 (SwissProt_40)

95795
Shears, Beverly

From: Hart, Edward
Sent: Wednesday, June 04, 2003 11:40 AM
T : Shears, Beverly
Subject: FW: 09/125,005

Here is a rush search that I received.

Edward

-----Original Message-----

From: Chan, Christina
Sent: Tuesday, June 03, 2003 8:46 AM
T : Ungar, Susan
Cc: Hart, Edward
Subject: RE: 09/125,005

Please rush. Thanks Chris

Chris Chan
TC 1600 New Hire Training Coordinator and SPE 1644
308-3973
CM-1, 9B19

-----Original Message-----

From: Ungar, Susan
Sent: Tuesday, June 03, 2003 8:30 AM
To: Chan, Christina
Cc: Hart, Edward
Subject: 09/125,005

Hi

I'm working on this case now, its due this biweek.

I need a very very rush comparison of SEQ ID NO:6, human p73, with PO4637, human p53 which is a hit that was picked up in the sequence search of November 7, 2002 on SwissProt_40. It was number 24 on the list but was not printed out because I did not request a printout beyond the normally sent number.

I need this one very fast, if its quicker to do the regular search and leave out the interference search thats fine, but I would need to have hits 1-45 printed out.

Ed Hart has agreed to submit this polypeptide search for me, please send authorization directly to him.

Thanks
Susan Ungar
1642
703-305-2181
CM1-8B05

SEARCH REQUEST FORM

Requestor's Name: _____ Serial Number: _____

Date: _____ Phone: _____ Art Unit: _____

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

STAFF USE ONLY

Date completed: 06-04-03
 Searcher: Beverly C4994
 Terminal time: 30
 Elapsed time: _____
 CPU time: _____
 Total time: 42
 Number of Searches: _____
 Number of Databases: 2

Search Site

☒ STIC
☐ CM-1
☐ Pre-S

Type of Search

☐ N.A. Sequence
☐ A.A. Sequence
☐ Structure
☐ Bibliographic

Vendors

☒ IG Suite
☐ STN
☐ Dialog
☐ APS
☐ Geninfo
☐ SDC
☐ DARC/Questel
☒ Other GCG

> O <
> O <
> O <

GENALIGN - Multiple Sequence Alignment Program
Release 5.4

Wed 4 Jun 103 14:29:54-PDT

Solution Parameters:

Amino Alphabet = Identity
Output line length = 80
Compress = Off
Histogram = Off
Randomization = Off
AMINO-Res-length = 2
Deletion-weight = 5.00
Length-factor = 0
Matching-weight = 1.00
NUCLEIC-Res-length = 4
Spread-factor = 50

Clustered order of selected sequences:

1. p04637 (1-393)
4. US-09-125-005-6 (1-636)

Region Alignment: (listed in Clustered order)

```
p04637 1 meepqsdpsvEppIsqetfcdlwkLP eNNVslpIsqAMd dmlspddie
US-09-125- 1 maqstatsdggtfEhlwSslpdytdLPqssrgNnevvgtdssMDvfhlegmttsv.
consensus maqst---p-----E---S-----LQqsr-NN-----MDV-----

p04637 52 qvftedpdpdeaprmpeAA pPvaPapAA PT paapapapswplsssvPSqkTyq
US-09-125- 62 maqfnllsstmqmsrAAAsPytBehAAsvPThspYaqpsstfdtcmPapvIPsntdyp
consensus -----AAsa-P--P--AAsvPThsPy-----PS---Y-

p04637 105 GsygfrlglhSgTAKsvTctySPALnKmfcQLAKTCPvQLwVdStppPGTvrRAMaiYKq
US-09-125- 123 GphhtevtFqgSsTAKSAtwYSPILKlYCOiAKTCPiQikVstppPGTairAMpYKk
consensus G---P---P--S-TAKS-T-TYSP-L-K--CO-AKTCP-Q--V---PPPGT--RAM--YK-

p04637 166 sqHmteVvRCPhHE RcsdsdgLAPPqHLIRVEGNlrveYlDDrntTfrhSVVVPYEPpe
US-09-125- 184 aeHvtdvVRCPhHElgrdfnEqgsAPasHLIRVEGNnlsqYvDDpvtgRqSVVVPYEPpq
consensus --H-T-VV-RCP-HElgr-----AP--HLIRVEGN----Y-DD--T-R-SVVVPYEPp-

p04637 225 VGsdctTHYNYMCNSSCMGMNRRPILITILEdssGnlLGRnsFEvRVCACPGRDR R
US-09-125- 245 VctefTHIYNfCMNSSCvCGMNRRLPILITILEmrdGvLGRrSFEgRiCACPGRDRkad
consensus VG---TTI-YN-MCNSSC-GGMNRRPIL-IITLE---G--LGR-SFE-R-CACPGRDRka-

p04637 284 teenlrkkgephelpgstKRA
US-09-125- 306 edhyreqqalnessakngaaSKRAfkqsppavpalgagvkrrhgdedyYlqvrgrenfe
consensus -----KRAfkqsppavpalgagvkrrhgdedyYlqvrgrenfe
```

Ungar
09/125005 v.
P04637

```
p04637 308 lpontssssPQP
US-09-125- 367 ilmkIkesIelmeIvPQPlvdsvYrqqqqllqrPshlqpPsygPvlspmnkvhgmmklpsv
consensus ilmkIke-----PQPlvdsvYrqqqqllqrPshlqpPsygPvlspmnkvhgmmklpsv

p04637 319
US-09-125- 428 nqlvgqppphssaatpnlqvpvgmInnnhghavpangemssshsaqsmvsgshctpppyh
consensus nqlvgqppphssaatpnlqvpvgmInnnhghavpangemssshsaqsmvsgshctpppyh

p04637 319 kkkpIdgEYFT lqirgrerfemfReIneAL eLK
US-09-125- 489 adpslvSfltgIgcPncIEYFTsqglqsiYhiqlnIEdlgAlkIpeqymtiwrglqduK
consensus adpslvSfltg---P---EYFTsq-----E---ALkIpeqymtiwrglq-LK

p04637 352 dAO AqepGGsrahshlkskkqgstSRH kklmfkteGPDSd
US-09-125- 550 qghdyStAQllrSsnaAtisIGSGselqrqrVmeavhfrvRhtitipnrgpggGPBewa
consensus qghdys-AQllrSsnaA---CGS-----Rhtiti-----GPD--a

p04637 394
US-09-125- 611 dfgfdlpdcarkqpikeefteaeih
consensus dfgfdlpdcarkqpikeefteaeih
```

Alignment score = -1057.00

Scoring matrix:

```
1 4
-1066
```